



# SAFETY DATA SHEET

According to JIS Z 7253:2019 **Revision date** 10-May-2023 Revision Number 1.07

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name	2-(Di	-t-butylphosphin	o)biphenyl		
Product Code	045-3	31721,041-3172	3		
Manufacturer	1-2 Dos Chuo-k Phone:	LM Wako Pure Cherr shomachi 3-Chome u, Osaka 540-8605, +81-6-6203-3741 31-6-6203-5964	-		
Supplier	FUJIFII 1-2 Dos Phone:	LM Wako Pure Chem shomachi 3-Chome, +81-6-6203-3741 31-6-6203-2029		-8605, Japan	
Emergency telephone n	umber +81-6-6	6203-3741 / +81-3-32	270-8571		
Recommended uses		earch use only			
Restrictions on use	Seek ex	pert judgment when usi	ng for purposes other t	han those recommend	ed.
	Sectio	n 2: HAZARDS	IDENTIFICATI	ON	
GHS classification <u>Classification of the sub</u> Serious eye damage/eye		_		Category 2B	
Diotograma					
Pictograms Signal word	Warnin	a			
Hazard statements H320 - Causes eye irr Precautionary statemen • Wash face, hands an Precautionary statemen • IF IN EYES: Rinse c	ts-(Prevention) nd any exposed skir ts-(Response)		-	ses if present and c	pasy to do Continue
rinsing					
<ul> <li>If eye irritation persis</li> <li>Precautionary statemen</li> <li>Not applicable</li> <li>Precautionary statemen</li> </ul>	ts-(Storage)	ice/attention			
Not applicable					
Others Other hazards	Not ava	ailable			
Sec	tion 3: COMP	OSITION/INFO		NGREDIENTS	
Single Substance or Mixture Substance					
Formula	C20H2	7P			
Chemical Name	Weight-%	Molecular weight	ENCS	ISHL No.	CAS RN
2-(Di-tert-butylphosphino	98.0	298.40	N/A	N/A	224311-51-7

)biphenyl					
Note on ISHL No.:	* in the	table means announ	ced chemical substa	inces.	

Impurities and/or Additives:

Not applicable

## Section 4: FIRST AID MEASURES

#### Inhalation

Remove to fresh air. If symptoms persist, call a physician.

#### Skin contact

Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.

#### Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediate medical attention is required.

#### Ingestion

Call a physician or poison control center immediately. Do not induce vomiting without medical advice. Rinse mouth. Never give anything by mouth to an unconscious person.

#### **Protection of first-aiders**

Use personal protective equipment as required.

## Section 5: FIRE FIGHTING MEASURES

#### Suitable extinguishing media

Water spray (fog), Carbon dioxide (CO2), Foam, Extinguishing powder, Sand

Unsuitable extinguishing media

## No information available

Specific hazards arising from the chemical product

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

## Special extinguishing method

#### No information available Special protective actions for

#### fire-fighters

Use personal protective equipment as required. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

## Section 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

For indoor, provide adequate ventilation process until the end of working. Deny unnecessary entry other than the people involved by, for example, using a rope. While working, wear appropriate protective equipments to avoid adhering it on skin, or inhaling the gas. Work from windward, and retract the people downwind.

#### **Environmental precautions**

To be careful not discharged to the environment without being properly handled waste water contaminated.

Methods and materials for contaminent and methods and materials for cleaning up

Sweep up and gather scattered particles, and collect it in an empty airtight container.

Recoverly, neutralization

No information available

## Secondary disaster prevention measures

Clean contaminated objects and areas thoroughly observing environmental regulations.

## Section 7: HANDLING AND STORAGE

#### Handling

#### Technical measures

Avoid contact with strong oxidizing agents. Use with local exhaust ventilation. **Precautions** 

Do not rough handling containers, such as upsetting, falling, giving a shock, and dragging Prevent leakage, overflow, and scattering. Not to generate steam and dust in vain. Seal the container after use. After handling, wash hands and face, and then gargle In places other than those specified, should not be smoking or eating and drinking Should not be brought contaminated protective equipment and gloves to rest stops Deny unnecessary entry of non-emergency personnel to the handling area

#### Safety handling precautions

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

Dust mask (JIS T 8151)

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#### Safe storage conditions Storage conditions

Keep container protect from light tightly closed. Store in a cool (2-10 °C) place. Packed with an inert gas. Glass Safe packaging material Incompatible substances Strong oxidizing agents

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### **Engineering controls**

In case of indoor workplace, seal the source or use a local exhaust system. Provide the safety shower facility, and handand eye-wash facility. And display their position clearly.

#### **Exposure limits**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

#### Personal protective equipment **Respiratory protection** Hand protection Eye protection Skin and body protection

Long-sleeved work clothes, protective boots General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

protective eyeglasses or chemical safety goggles

chemical protective gloves (JIS T 8116)

ColorWhite - slightly yellowAppearancecrystalline powder - powderOdorno data availableMelting point/freezing point86-88 °CBoiling point, initial boiling point and boiling rangeno data availableFlammabilityno data availableFlammabilityno data availableFlammability (solid, gas):no data availableUpper/lower flammability orno data availableexplosive limitsno data availableLower:no data availableFlash pointno data availableAuto-ignition temperature:no data availableperno data availablePHno data availableViscosity (coefficient of viscosity)no data availableDynamic viscosityno data availableSolubilitiesNo data availablen-Octanol/water partition coefficient:(log Pow)no data availableVapour pressureno data availableSpecific Gravity / Relative densityno data availableVapour densityno data availableParticle characteristicsno data available	Form	
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Particle characteristics no data available		
	Particle characteristics	no data available

## Section 10: STABILITY AND REACTIVITY

Stability

 Reactivity
 no data available

 Chemical stability
 May be altered by light.

 Hazardous reactions
 May be altered by light.

 None under normal processing
 Conditions to avoid

 Conditions to avoid
 Extremes of temperature and direct sunlight

 Incompatible materials
 Strong oxidizing agents

 Hazardous decomposition products
 Carbon monooxide (CO), Carbon dioxide (CO2), Phosphorus oxide

## Section 11: TOXICOLOGICAL INFORMATION

Acute toxicity

no data available

Skin irritation/corrosion Serious eye damage/ irritation Respiratory or skin sensitization Reproductive cell mutagenicity Carcinogenicity

Reproductive toxicity STOT-single exposure STOT-repeated exposure Aspiration hazard no data available no data available no data available no data available no data available

no data available no data available no data available no data available

## Section 12: ECOLOGICAL INFORMATION

Ecotoxicity

No information available

Other data

no data available

Persistence and degradability Bioaccumulative potential Mobility in soil Hazard to the ozone layer No information available No information available No information available No information available

## Section 13: DISPOSAL CONSIDERATIONS

#### Waste from residues

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Not regulated

Contaminated container and contaminated packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

## Section 14: TRANSPORT INFORMATION

ADR/RID UN number Proper shipping name: UN classfication Subsidiary hazard class Packing group

Marine pollutant	Not applicable
IMDG	Not regulated
UN number Proper shipping name: UN classfication Subsidiary hazard class	-
Packing group Marine pollutant (Sea) Transport in bulk according to	Not applicable No information available
Annex II of MARPOL 73/78 and the IBC Code IATA	Not regulated
UN number Proper shipping name: UN classfication Subsidiary hazard class	-
Packing group Environmentally Hazardous Substance	Not applicable

## Section 15: REGULATORY INFORMATION

International Inventories	
EINECS/ELINCS	-
TSCA	-
Japanese regulations	
Fire Service Act	Not applicable
Poisonous and Deleterious	Not applicable
Substances Control Law	
Industrial Safety and Health Act	tNot applicable
Regulations for the carriage	Not applicable
and storage of dangerous	
goods in ship	
Civil Aeronautics Law	Not applicable
Pollutant Release and Transfer	Not applicable
Register Law	
(2023.4.1-)	
Export Trade Control Order	Not applicable
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## Section 16: OTHER INFORMATION

RTECS:Registry of Toxic Effects of Chemical Substances Japan Industrial Safety and Health Association GHS Model SDS Dictionary of Synthetic Oraganic Chemistry , SSOCJ, Koudansha Scientific Co.Ltd. Chemical Dictionary, Kyouritsu Publishing Co., Ltd. etc	Key literature references and sources for data etc.	Dictionary of Synthetic Oraganic Chemistry , SSOCJ, Koudansha Scientific Co.Ltd. Chemical Dictionary, Kyouritsu Publishing Co., Ltd.
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#### Disclaimer

This SDS is according to JIS Z 7253: 2019. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

GHS Classification is according to JIS Z 7252:2019. \*JIS: Japanese Industrial Standards

End of Safety Data Sheet